

10/536919

Rec'd PCT/PTO 31 MAY 2005

536919

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
17 June 2004 (17.06.2004)

PCT

(10) International Publication Number
WO 2004/052033 A1

(51) International Patent Classification⁷: H04Q 7/22

(21) International Application Number:
PCT/IB2003/005382

(22) International Filing Date:
24 November 2003 (24.11.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
02155752.7 3 December 2002 (03.12.2002) CN

(71) Applicant (for all designated States except US): KONINKLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): SHAO, Xiaoling [CN/CN]; Philips Electronics China, 33/F Kerry Office Building 218 Tian Mu Xi Road, 200070 Shanghai (CN). FENG, Lei [CN/CN]; Philips Electronics China, 33/F

Kerry Office Building 218 Tian Mu Xi Road, 200070 Shanghai (CN). TU, Jiawen [CN/CN]; Philips Electronics China, 33/F Kerry Office Building 218 Tian Mu Xi Road, 200070 Shanghai (CN).

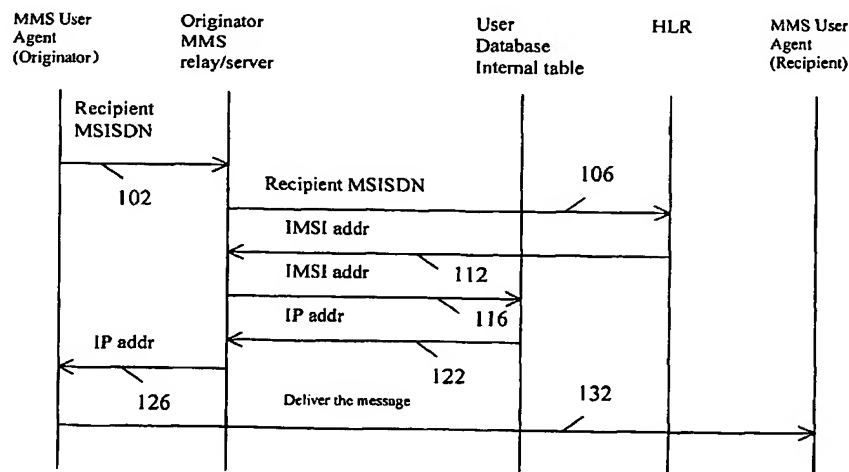
(74) Common Representative: KONINKLIJKE PHILIPS ELECTRONICS N.V.; c/o van der Veer, Johannes, L., Prof. Holstlaan 6, NL-5615 AA Eindhoven (NL).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: WIRELESS NETWORK SYSTEM FOR EFFICIENTLY DELIVERING MULTIMEDIA MESSAGES



(57) Abstract: The present invention provides a wireless network system that enables direct wireless delivery of a multimedia message from a first MMS user agent to a second MMS user agent. In accordance with one embodiment of the invention, the wireless network system includes a MMS server that receives, from the first MMS user agent, a request to send a multimedia message to the second MMS user agent. The request includes an identification (ID) number of the second MMS user agent. From a core network, for example, the MMS server obtains an Internet address of the second MMS user agent based on the ID number of the second MMS user agent, if the ID number is not an Internet address of the second MMS user agent. Then the MMS server forwards the Internet address to the first MMS user agent to enable the first MMS user agent to wirelessly deliver the multimedia message directly to the second MMS user agent using the Internet address. Therefore, by not involving a MMS server in delivering multimedia messages, a substantial amount of network resources is saved, and delivery speed of multimedia messages is significantly increased. As a result, the performance of the overall network system is greatly improved.

WO 2004/052033 A1



Declaration under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY,

KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.